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(54) Title: COATING COMPOSITION OPTIMIZATION FOR VIA FILL AND PHOTOLITHOGRAPHY APPLICATIONS AND  
METHODS OF PREPARATION THEREOF

(57) Abstract: A sacrificial coating material includes: at least one inorganic compound, and at least one material modification  
agent, wherein the sacrificial coating material is dissolvable in an alkaline-based chemistry or a fluorine-based chemistry. A method  
of producing a sacrificial coating material includes: providing at least one inorganic compound, providing at least one material  
modification agent, combining the at least one inorganic compound with the at least one material modification agent to form the  
sacrificial coating material, wherein the sacrificial coating material is dissolvable in an alkaline-based chemistry or a fluorine-based

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